

IN THE SPECIFICATION

Please update the "Detailed Description of the Invention" section by replacing the paragraph that begins on page 4, line 21, and ends on page 5, line 6, with the following paragraph:

DETAILED DESCRIPTION OF THE INVENTION

In the preferred method of the invention, a known amount of the catalyst and catalyst support 15 are dispersed onto the substrate 34. The substrate 34 is then loaded into the reaction chamber 33. In this embodiment, the substrate 34 is loaded in and out of the reaction chamber 33 in a quartz container 19. The magnetron 10 is then switched on to heat the substrate 34 to the reaction temperature. In this embodiment, the reaction temperature is set to 700°C. During heating, an inert gas 22, at an optimized flow rate, can be used for purging, although the use of an inert gas 22 is not required for the present invention. When the reaction temperature is reached, a hydrocarbon source gas 21 is introduced into the reaction chamber at an optimal flow rate. The gases are pumped into the reaction chamber 33 through the gas inlet 17 and blown onto the substrate 34 using a quartz gas distributor 16. Exhaust gas leaves the chamber through the gas outlet 18. In this embodiment the reaction is set to 30 minutes. After the reaction, the resulting product is scratched from the substrate. Previous experiments by Varadan, V. et al. ["Synthesis of carbon nanocoils by microwave CVD" *Smart. Mater. Struct.* 11 (2002) 728-734] did not involve the production of carbon ~~nanocoils~~ nanotubes, and utilized different processing materials and conditions than described in the present invention.

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